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## **EUROPEAN PATENT APPLICATION**

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(71) Applicant: NEC CORPORATION Tokyo (JP)

(72) Inventor: Ichihara, Masaki, c/o NEC Corporation Tokyo (JP)

(74) Representative: VOSSIUS & PARTNER Siebertstrasse 4 D-81675 München (DE)

## (54)Narrow-band filter having a variable center frequency

(57)In a narrow-band filter for filtering an input signal having a predetermined frequency and comprising first through n-th low-pass filters (13-1 to 13-n) which are connected in parallel to one another, a switching circuit time divisionally connects the first through the n-th low-pass filters between input and output terminals (11, 12). The first through the n-th low-pass filters, thereby, time divisionally filters the input signal for first through n-th filtering durations, respectively. A control circuit (30) is supplied with a frequency designation signal designating the predetermined frequency and controls the switching circuit to change at least one of the first through the n-th filtering durations in accordance with the frequency designation signal.

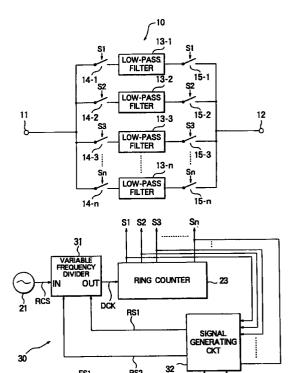


FIG. 3

RS2

FS1

FS2



## **EUROPEAN SEARCH REPORT**

Application Number EP 94 10 1975

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with in of relevant pas		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)	
X			1	H03H19/00	
A	* page 135, left co	lumn, line 7 - line 18	2,3		
	<pre>* paragraph V * * figures 1,8 *</pre>		:		
A	L'ELECTRICITÉ ELECTR vol. 43, no. 270, Ja 1993 PARIS FRANCE, pages 37-41, ALAIN FAURE 'Filtre Passante Etroite'	anuary 1993 - February	1		
	* figure 7 *				
				TECHNICAL FIELDS SEARCHED (Int.Cl.5)	
				Н03Н	
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	The present search report has be	en drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
	THE HAGUE	25 January 1996	D/L	PINTA BALLE, L	
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background		E : earliér patent doc after the filing d her D : document cited i L : document cited fo	: theory or principle underlying the invention : earlier patent document, but published on, or after the filing date : document cited in the application : document cited for other reasons		
O : non-written disclosure P : intermediate document		& : member of the sa document	& : member of the same patent family, corresponding document		